

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>02/23783</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/IL 02/ 00572</b>	International filing date (day/month/year) <b>16/07/2002</b>	(Earliest) Priority Date (day/month/year) <b>27/07/2001</b>
Applicant  <b>RAMOT UNIVERSITY AUTHORITY FOR APPLIED RESEARCH...</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☒ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☒ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

1  
☐ None of the figures.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IL 02/00572

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61M3/02 A61M35/00 A61K38/48 C12N5/06 A61B17/54  
A61B10/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61M A61K C12N A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 264 666 B1 (TSAI REN-YEU ET AL) 24 July 2001 (2001-07-24) column 2, line 38 - line 42 column 3, line 39 - line 49 column 4, line 31 - line 42 column 5, line 13 - line 16 figures 1,4,6 ---	34-79
X	US 5 976 556 A (GILLIS GLEN S ET AL) 2 November 1999 (1999-11-02) cited in the application column 8, line 16 - line 22 column 11, line 12 - line 44 ---	80-83
A	US 6 017 531 A (DURHAM DONALD RICHARD ET AL) 25 January 2000 (2000-01-25) cited in the application column 6, line 24 - line 48 ---	81,83
	-/--	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

13 November 2002

Date of mailing of the international search report

20/11/2002

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Lakkis, A

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/IL 02/00572

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 037 431 A (SUMMERS DAVID A ET AL) 6 August 1991 (1991-08-06)  abstract; figures 1,2 ---	34,45, 46,56, 57,67, 68,78,79
A	US 3 910 266 A (KAWASE HIROSHI) 7 October 1975 (1975-10-07) abstract; figure 2 -----	34

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/IL 02/00572

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 1-33  
because they relate to subject matter not required to be searched by this Authority, namely:  
Rule 39.1(iv) PCT - Method for treatment of the human or animal body by surgery  
Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

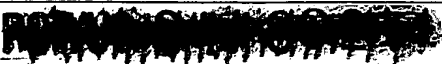
PCT/IL 02/00572

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6264666	B1	24-07-2001	AU 2241299 A WO 9937229 A1	09-08-1999 29-07-1999
US 5976556	A	02-11-1999	AU 3396597 A EP 0921785 A1 JP 2000512298 T KR 2000016635 A WO 9747283 A1	07-01-1998 16-06-1999 19-09-2000 25-03-2000 18-12-1997
US 6017531	A	25-01-2000	AU 7695798 A EP 0988374 A1 JP 2002512525 T WO 9855604 A1	21-12-1998 29-03-2000 23-04-2002 10-12-1998
US 5037431	A	06-08-1991	NONE	
US 3910266	A	07-10-1975	JP 50047743 A DE 2439086 A1 FR 2240715 A1 SE 7410393 A	28-04-1975 17-04-1975 14-03-1975 15-02-1975

## PCT REQUEST

02/23783

Original (for SUBMISSION) - printed on 09.07.2002 12:49:57 PM

0	For receiving Office use only	 Y A
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0-4	Form - PCT/RO/101 PCT Request	
0-4-1	Prepared using	PCT-EASY Version 2.92 (updated 01.06.2002)
0-5	Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	Israel Patent Office (RO/IL)
0-7	Applicant's or agent's file reference	02/23783
I	Title of invention	DEVICE FOR AND METHOD OF CONTROLLED ENZYMATIC REMOVAL AND RETRIEVAL OF TISSUE
II	Applicant	
II-1	This person is:	applicant only
II-2	Applicant for	all designated States except US
II-4	Name	RAMOT UNIVERSITY AUTHORITY FOR APPLIED RESEARCH & INDUSTRIAL DEVELOPMENT LTD.
II-5	Address:	32 Haim Levanon Street 69 975 Tel Aviv Israel
II-6	State of nationality	IL
II-7	State of residence	IL
II-8	Telephone No.	.
II-9	Facsimile No.	.
II-10	e-mail	.
III-1	Applicant and/or inventor	
III-1-1	This person is:	applicant and inventor
III-1-2	Applicant for	US only
III-1-4	Name (LAST, First)	FREEMAN, Amihay
III-1-5	Address:	Youth Village 73 112 Ben Shemen Israel
III-1-6	State of nationality	IL
III-1-7	State of residence	IL

## PCT REQUEST

Original (for SUBMISSION) - printed on 09.07.2002 12:49:57 PM

IV-1	<b>Agent or common representative; or address for correspondence</b> The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	agent
IV-1-1	Name	G. E. EHRLICH (1995) LTD.
IV-1-2	Address:	28 Bezalel Street 52 521 Ramat Gan Israel
IV-1-3	Telephone No.	972-3-6127676
IV-1-4	Facsimile No.	972-3-6127575
IV-1-5	e-mail	patents@ipatent.co.il
V	Designation of States	
V-1	Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT EP: AT BE BG CH&LI CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR and any other State which is a Contracting State of the European Patent Convention and of the PCT OA: BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG and any other State which is a member State of OAPI and a Contracting State of the PCT
V-2	National Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	AE AG AL AM AT (patent and utility model) AU AZ BA BB BG BR BY BZ CA CH&LI CN CO CR CU CZ (patent and utility model) DE (patent and utility model) DK (patent and utility model) DM DZ EC EE (patent and utility model) ES FI (patent and utility model) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK (patent and utility model) SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

## PCT REQUEST

02/23783

Original (for SUBMISSION) - printed on 09.07.2002 12:49:57 PM

<b>V-5</b>	<b>Precautionary Designation Statement</b> In addition to the designations made under items V-1, V-2 and V-3, the applicant also makes under Rule 4.9(b) all designations which would be permitted under the PCT except any designation(s) of the State(s) indicated under item V-6 below. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit.		
<b>V-6</b>	<b>Exclusion(s) from precautionary designations</b>	<b>NONE</b>	
<b>VI-1</b>	<b>Priority claim of earlier national application</b>		
<b>VI-1-1</b>	Filing date	<b>27 July 2001 (27.07.2001)</b>	
<b>VI-1-2</b>	Number	<b>09/915,518</b>	
<b>VI-1-3</b>	Country	<b>US</b>	
<b>VII-1</b>	<b>International Searching Authority Chosen</b>	<b>European Patent Office (EPO) (ISA/EP)</b>	
<b>VIII</b>	<b>Declarations</b>	<b>Number of declarations</b>	
<b>VIII-1</b>	Declaration as to the identity of the inventor	-	
<b>VIII-2</b>	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-	
<b>VIII-3</b>	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-	
<b>VIII-4</b>	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	
<b>VIII-5</b>	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	
<b>IX</b>	<b>Check list</b>	<b>number of sheets</b>	<b>electronic file(s) attached</b>
<b>IX-1</b>	Request (including declaration sheets)	<b>4</b>	-
<b>IX-2</b>	Description	<b>40</b>	-
<b>IX-3</b>	Claims	<b>14</b>	-
<b>IX-4</b>	Abstract	<b>1</b>	<b>EZABST00.TXT</b>
<b>IX-5</b>	Drawings	<b>1011<sup>4</sup></b>	-
<b>IX-7</b>	<b>TOTAL</b>	<b>6970<sup>4</sup></b>	
	<b>Accompanying items</b>	<b>paper document(s) attached</b>	<b>electronic file(s) attached</b>
<b>IX-8</b>	Fee calculation sheet	✓	-
<b>IX-13</b>	Priority document(s)	<b>Item(s) VI-1</b>	-
<b>IX-17</b>	PCT-EASY diskette	-	<b>Diskette</b>
<b>IX-18</b>	Other (specified):	<b>ILS 445 Transmittal Fee</b>	-

820



## PCT REQUEST

02/23783

Original (for SUBMISSION) - printed on 09.07.2002 12:49:57 PM

IX-19	Figure of the drawings which should accompany the abstract	.
IX-20	Language of filing of the international application	English
X-1	Signature of applicant, agent or common representative	
X-1-1	Name	G. E. EHRLICH (1995) LTD.
X-1-2	Name of signatory	EHRLICH, Gal
X-1-3	Capacity	Agent

## FOR RECEIVING OFFICE USE ONLY

10-1	Date of actual receipt of the purported international application	Rec'd PCT/PTO 27 JAN 2004
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/EP
10-6	Transmittal of search copy delayed until search fee is paid	

## FOR INTERNATIONAL BUREAU USE ONLY

11-1	Date of receipt of the record copy by the International Bureau	
------	--	--